

Claims

1. A video viewing system,
 wherein a video of any one video group of a first video group, and a second
 5 video group produced by use of said first video group is specified, whereby
 frequency-of-use in other video groups of the specified video is found and
 displayed.

2. A video viewing system,
 10 wherein a video of any one video group of a first video group, a second
 video group produced by use of said first video group, and a third video
 group produced by use of said second video group is specified, whereby
 frequency-of-use of said specified video in other video groups having a
 correlation with the specified video is found and displayed.

3. A video viewing system for viewing a desired video from a plurality
 of videos, comprising:

a first storage unit which stores to enable retrieval of a plurality of
 video groups having a series of correlations that at least one video of one
 20 video group is used to produce a video of the next video group;

a second storage unit which stores to enable retrieval of mutual
 correlations obtained from said series of correlations;

a frequency-of-use generation unit which upon specification of a video of
 any one video group of said plurality of video groups, retrieves a correlation
 25 with respect to said specified video from said second storage unit to generate
 frequency-of-use of said specified video in other video groups based on the
 retrieved correlation; and

a control unit which displays said frequency-of-use on a display unit.

4. The video viewing system according to claim 3,
 wherein said second storage unit stores to enable retrieval of
 correlation information showing that each video section correlates to one
 video section of other video groups for each of said plurality of video
 groups.

5. The video viewing system according to claim 4,
 wherein said frequency-of-use generation unit comprises:

a retrieval unit which upon specification of a video of any one video group
 of said plurality of video groups, retrieves correlation information on said
 40 specified video from said second storage unit to identify a used video section
 in other video groups of said specified video; and

a frequency-of-use calculation unit which generates frequency-of-use of said

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specified video in said other video groups based on said used video section.

6. The video viewing system according to claim 4,
wherein said control unit graphs and displays frequency-of-use of
said specified video in said other video groups based on a video section of
said specified video.

7. The video viewing system according to claim 6,
wherein said control unit displays a pointer movable in a time axis
direction of the video section of said specified video together with said
graphed frequency-of-use, and displays said specified video from a time
position indicated by said pointer when said pointer is operated.

8. The video viewing system according to claim 3,
wherein said control unit sorts and displays said frequency-of-use in
any one of ascending order and descending order.

9. A video viewing method for viewing a desired video from a plurality
of videos, comprising:

a) storing to enable retrieval of a plurality of video groups having a series of
correlations that at least one video of one video group is used to produce a
video of the next video group;

b) storing to enable retrieval of correlation information which is generated
from said series of correlations and which shows that each video section
correlates to one video section of other video groups for each of said
plurality of video groups;

c) retrieving, upon specification of a video of any one video group of said
plurality of video groups, correlation information on said specified video to
identify a used video section in other video groups of said specified video;

d) generating frequency-of-use of said specified video in said other video
groups based on said used video section; and

e) displaying said frequency-of-use on a display unit.

10. The video viewing method according to claim 9,
wherein in said step d), said frequency-of-use is generated by
identifying a used frame number of said specified video from said used
video section, and counting said used frame number in all used video
sections in said other video groups.

11. The video viewing method according to claim 9,
wherein in said step e), the frequency-of-use of said specified video
in said other video groups is graphed and displayed based on a video section

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of said specified video.

12. The video viewing method according to claim 11, further comprising:

- f) displaying a pointer movable in a time axis direction of the video section of said specified video together with said graphed frequency-of-use; and
- g) displaying said specified video from a time position indicated by said pointer when said pointer is operated.

13. A computer program for making a computer run video viewing processing for viewing a desired video from a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group, the computer program comprising the steps of:

- storing to enable retrieval of correlation information which is generated from said series of correlations and which shows that each video section correlates to one video section of other video groups for each of said plurality of video groups;
- retrieving, upon specification of a video of any one video group of said plurality of video groups, correlation information on said specified video to identify a used video section in other video groups of said specified video;
- generating frequency-of-use of said specified video in said other video groups based on said used video section; and
- displaying said frequency-of-use on a display unit.

14. A video viewing method for viewing a desired video from a plurality of videos,

- wherein a video of any one video group of a first video group, and a second video group produced by use of said first video group is specified, whereby frequency-of-use in other video groups of the specified video is found and displayed.

15. The video viewing method according to claim 14,

- wherein the frequency-of-use of said specified video in said other video groups is found based on a used video section in other video groups of said specified video.

16. The video viewing method according to claim 15,

- wherein said used video section is identified based on correlation information showing that each video section correlates to one video section of other video groups for each of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a

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video of the next video group.

17. The video viewing method according to claim 14,
wherein the frequency-of-use of said specified video in said other video
5 groups is graphed and displayed based on a video section of said specified
video,

18. The video viewing method according to claim 17,
wherein a pointer movable in a time axis direction of the video
10 section of said specified video is displayed together with said graphed
frequency-of-use, and
wherein said specified video is displayed from a time position indicated by
said pointer when said pointer is operated.

19. The video viewing method according to claim 14,
15 wherein said frequency-of-use is sorted and displayed in any one of
ascending order and descending order.

20. A video viewing method for viewing a desired video from a plurality
20 of videos,
wherein a video of any one video group of a first video group, a second
video group produced by use of said first video group, and a third video
group produced by use of said second video group is specified, whereby
frequency-of-use of said specified video in other video groups having a
25 correlation with the specified video is found and displayed.

21. The video viewing method according to claim 20,
wherein the frequency-of-use of said specified video in said other video
groups is found based on a used video section in other video groups of said
30 specified video.

22. The video viewing method according to claim 21,
wherein said used video section is identified based on correlation
information showing that each video section correlates to one video section
35 of other video groups for each of a plurality of video groups having a series
of correlations that at least one video of one video group is used to produce a
video of the next video group.

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23. The video viewing method according to claim 20,
40 wherein the frequency-of-use of said specified video in said other video
groups is graphed and displayed based on a video section of said specified
video.

24. The video viewing method according to claim 23,

wherein a pointer movable in a time axis direction of the video section of said specified video is displayed together with said graphed frequency-of-use, and

wherein said specified video is displayed from a time position indicated by said pointer when said pointer is operated.

25. The video viewing method according to claim 20,

wherein said frequency-of-use is sorted and displayed in any one of ascending order and descending order.

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4. Object of the Amendment claims

5. Contents of the Amendment

5 (1) Claim 1 on page 23 of claims is amended from "A video viewing system,
wherein a video of any one video group of a first video group, and a second
video group produced by use of said first video group is specified, whereby
frequency-of-use in other video groups of the specified video is found and
displayed." to "A video viewing system for viewing a desired video from videos
10 of a first video group, and a second video group produced by use of said first
video group, wherein a video of said first video group is specified, whereby
frequency-of-use in said second video group of the specified video is found and
displayed."

(2) Claim 2 on page 23 of claims is amended from "A video viewing system,
15 wherein a video of any one video group of a first video group, a second video
group produced by use of said first video group, and a third video group
produced by use of said second video group is specified, whereby
frequency-of-use of said specified video in other video groups having a
correlation with the specified video is found and displayed." to "A video viewing
20 system for viewing a desired video from videos of a first video group, a second
video group produced by use of said first video group, and a third video group
produced by use of said second video group, wherein a video of any one video
group of said first video group and second video group is specified, whereby
frequency-of-use of said specified video in said second or third video group
25 produced by use of the specified video is found and displayed."

(3) Claim 3 on page 23 of claims is amended from "A video viewing system for viewing a desired video from a plurality of videos, comprising: a first storage unit which stores to enable retrieval of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group; a second storage unit which stores to enable retrieval of mutual correlations obtained from said series of correlations; a frequency-of-use generation unit which upon specification of a video of any one video group of said plurality of video groups, retrieves a correlation with respect to said specified video from said second storage unit to generate frequency-of-use of said specified video in other video groups based on the retrieved correlation; and a control unit which displays said frequency-of-use on a display unit." to "A video viewing system for viewing a desired video from videos of a first video group, a second video group produced by use of said first video group, and a third video group produced by use of said second video group, the video viewing system comprising: a first storage unit which stores to enable retrieval of said first video group, said second video group, and said third video group having said series of correlations; a second storage unit which stores to enable retrieval of mutual correlations obtained from said series of correlations; a frequency-of-use generation unit which upon specification of a video of any one video group of said first video group and second video group, retrieves a correlation with respect to said specified video from said second storage unit to generate frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on the retrieved correlation; and a control unit which displays said frequency-of-use on a display unit."

(4) Claim 4 on page 24 of claims is amended from "The video viewing system according to claim 3, wherein said second storage unit stores to enable retrieval of correlation information showing that each video section correlates to one video section of other video groups for each of said plurality of video groups." to

5 "The video viewing system according to claim 3, wherein said second storage unit stores to enable retrieval of correlation information showing that each video section correlates to one video section of other video groups for each of said first video group, said second video group, and said third video group."

(5) Claim 5 on page 24 of claims is amended from "The video viewing system
10 according to claim 4, wherein said frequency-of-use generation unit comprises: a retrieval unit which upon specification of a video of any one video group of said plurality of video groups, retrieves correlation information on said specified video from said second storage unit to identify a used video section in other video groups of said specified video; and a frequency-of-use calculation unit
15 which generates frequency-of-use of said specified video in said other video groups based on said used video section." to "The video viewing system according to claim 4, wherein said frequency-of-use generation unit comprises: a retrieval unit which upon specification of a video of any one video group of said first video group and second video group, retrieves correlation information on
20 said specified video from said second storage unit to identify a used video section of said specified video in said second or third video group produced by use of said specified video; and a frequency-of-use calculation unit which generates the frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on said used video
25 section."

(6) Claim 6 on page 24 of claims is amended from "The video viewing system according to claim 4, wherein said control unit graphs and displays frequency-of-use of said specified video in said other video groups based on a video section of said specified video." to "The video viewing system according to claim 4, wherein said control unit graphs and displays the frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on a video section of said specified video."

(7) Claim 9 on page 24 to page 25 of claims is amended from "A video viewing method for viewing a desired video from a plurality of videos, comprising: a) storing to enable retrieval of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group; b) storing to enable retrieval of correlation information which is generated from said series of correlations and which shows that each video section correlates to one video section of other video groups for each of said plurality of video groups; c) retrieving, upon specification of a video of any one video group of said plurality of video groups, correlation information on said specified video to identify a used video section in other video groups of said specified video; d) generating frequency-of-use of said specified video in said other video groups based on said used video section; and e) displaying said frequency-of-use on a display unit." to "A video viewing method for viewing a desired video from videos of a first video group, a second video group produced by use of said first video group, and a third video group produced by use of said second video group, the video viewing method comprising: a) storing to enable retrieval of said first video group, said second video group, and said third video group having said series of correlations that said second video group is produced

from said first video group, said third video group being produced from said second video group; b) storing to enable retrieval of correlation information which is generated from said series of correlations and which shows that each video section correlates to one video section of other video groups for each of said first video group, said second video group, and said third video group; c) identifying, upon specification of a video of any one video group of said first video group and second video group, a used video section of said specified video in said second or third video group produced by use of said specified video based on said retrieved correlation information; d) generating frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on said used video section; and e) displaying said frequency-of-use on a display unit."

(8) Claim 10 on page 25 of claims is amended from "The video viewing method according to claim 9, wherein in said step d), said frequency-of-use is generated by identifying a used frame number of said specified video from said used video section , and counting said used frame number in all used video sections in said other video groups." to "The video viewing method according to claim 9, wherein in said step d), said frequency-of-use is generated by identifying a used frame number of said specified video from said used video section , and counting said used frame number in all used video sections in said second or third video group produced by use of said specified video."

(9) Claim 11 on page 25 of claims is amended from "The video viewing method according to claim 9, wherein in said step e), the frequency-of-use of said specified video in said other video groups is graphed and displayed based on a video section of said specified video." to "The video viewing method according

to claim 9, wherein in said step e), the frequency-of-use of said specified video in said second or third video group produced by use of said specified video is graphed and displayed based on a video section of said specified video."

(10) Claim 13 on page 25 to page 26 of claims is amended from "A computer
5 program for making a computer run video viewing processing for viewing a desired video from a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group, the computer program comprising the steps of: storing to enable retrieval of correlation information which is generated from said series of correlations and
10 which shows that each video section correlates to one video section of other video groups for each of said plurality of video groups; retrieving, upon specification of a video of any one video group of said plurality of video groups, correlation information on said specified video to identify a used video section in other video groups of said specified video; generating frequency-of-use of said
15 specified video in said other video groups based on said used video section; and displaying said frequency-of-use on a display unit." to "A program for making a computer run video viewing processing for viewing a desired video from videos of a first video group, a second video group produced by use of said first video group, and a third video group produced by use of said second video group, the
20 program comprising the steps of: storing to enable retrieval of correlation information which is generated from said series of correlations and which shows that each video section correlates to one video section of other video groups for each of said first video group, said second video group, and said third video group; retrieving, upon specification of a video of any one video group of said
25 first video group and second video group, correlation information on said

specified video to identify a used video section of said specified video in said second or third video group produced by use of said specified video based on the retrieved correlation information; generating frequency-of-use of said specified video in said second or third video group produced by use of said specified video
5 based on said used video section; and displaying said frequency-of-use on a display unit."

(11) Claim 14 on page 26 of claims is amended from "A video viewing method for viewing a desired video from a plurality of videos, wherein a video of any one video group of a first video group, and a second video group produced by
10 use of said first video group is specified, whereby frequency-of-use in other video groups of the specified video is found and displayed." to "A video viewing method for viewing a desired video from videos of a first video group, and a second video group produced by use of said first video group, wherein a video of said first video group is specified, whereby frequency-of-use in said second
15 video group of the specified video is found and displayed."

(12) Claim 15 on page 26 of claims is amended from "The video viewing method according to claim 14, wherein the frequency-of-use of said specified video in said other video groups is found based on a used video section in other video groups of said specified video." to "The video viewing method according
20 to claim 14, wherein the frequency-of-use of said specified video in said second video group is found based on a used video section in said second video group of said specified video."

(13) Claim 16 on page 26 of claims is amended from "The video viewing method according to claim 15, wherein said used video section is identified
25 based on correlation information showing that each video section correlates to

one video section of other video groups for each of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group.” to “The video viewing method according to claim 15, wherein said used video section is identified based on correlation information showing that each video section correlates to one video section of other video groups for each of said first video group and said second video group having a series of correlations that said second video group is produced by use of said first video group.”

(14) Claim 17 on page 27 of claims is amended from “The video viewing method according to claim 14, wherein the frequency-of-use of said specified video in said other video groups is graphed and displayed based on a video section of said specified video.” to “The video viewing method according to claim 14, wherein the frequency-of-use of said specified video in said second video group is graphed and displayed based on a video section of said specified video.”

(15) Claim 20 on page 27 of claims is amended from “A video viewing method for viewing a desired video from a plurality of videos, wherein a video of any one video group of a first video group, a second video group produced by use of said first video group, and a third video group produced by use of said second video group is specified, whereby frequency-of-use of said specified video in other video groups having a correlation with the specified video is found and displayed.” to “A video viewing method for viewing a desired video from videos of a first video group, a second video group produced by use of said first video group, and a third video group produced by use of said second video group, wherein a video of any one video group of said first video group and second

video group is specified, whereby frequency-of-use of said specified video in said second or third video group produced by use of the specified video is found and displayed.”

5 (16) Claim 21 on page 27 of claims is amended from “The video viewing method according to claim 20, wherein the frequency-of-use of said specified video in said other video groups is found based on a used video section in other video groups of said specified video.” to “The video viewing method according to claim 20, wherein the frequency-of-use of said specified video in said second or third video group produced by use of said specified video is found based on a
10 used video section of said specified video in said second or third video group produced by use of said specified video.”

(17) Claim 22 on page 27 of claims is amended from “The video viewing method according to claim 21, wherein said used video section is identified based on correlation information showing that each video section correlates to
15 one video section of other video groups for each of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group.” to “The video viewing method according to claim 21, wherein said used video section is identified based on correlation information showing that each video section correlates to one video
20 section of other video groups for each of said first video group, said second video group, and said third video group having a series of correlations that said second video group is produced by use of said first video group, said third video group being produced by use of said second video group.”

(18) Claim 23 on page 28 of claims is amended from “The video viewing
25 method according to claim 20, wherein the frequency-of-use of said specified

video in said other video groups is graphed and displayed based on a video section of said specified video.” to “The video viewing method according to claim 20, wherein the frequency-of-use of said specified video in said second or third video group produced by use of said specified video is graphed and displayed based on a video section of said specified video.”

(19) Claims 26, 27, and 28 are added to page 28 of claims.

(20) Claims 29, 30, and 31 are added to page 28/1 of claims.

(21) Claims 32, 33, 34, and 35 are added to page 28/2 of claims.

(22) Claims 36, 37, 38, and 39 are added to page 28/3 of claims.

10 (23) Claims 40, 41, and 42 are added to page 28/4 of claims.

(24) Claims 43, 44, 45, 46, and 47 are added to page 28/5 of claims.

(25) Claims 48, 49, 50, 51, and 52 are added to page 28/6 of claims.

6. List of the Attachments

15 claims on pages 23, 24, 24/1, 25, 25/1, 26, 26/1, 27, 27/1, 28, 28/1, 28/2, 28/3, 28/4, 28/5, and 28/6.